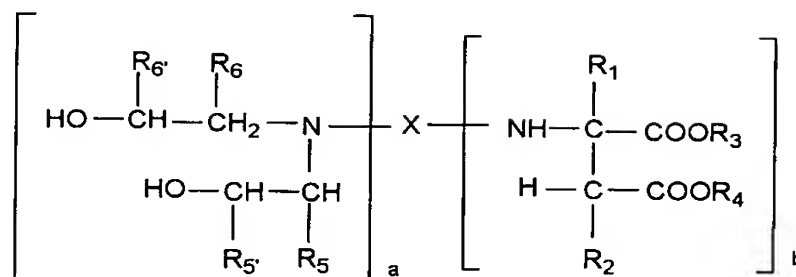


WHAT IS CLAIMED IS:

1. An aspartate of the formula:



where

5

X represents an m-valent organic residue obtained by removing the primary amino group or groups from a mono or polyamine which has (cyclo)aliphatically bound amino groups and a number average molecular weight of 60 to 6000, and which may contain further functional groups that either are reactive with isocyanate groups or are inert to isocyanate groups at temperatures of up to 100°C,

10

R₁ and R₂ may be identical or different and represent hydrogen or organic groups which are inert towards isocyanate groups at a temperature of 100°C or less,

15

R₃ and R₄ may be identical or different and represent organic groups which are inert towards isocyanate groups at a temperature of 100°C or less,

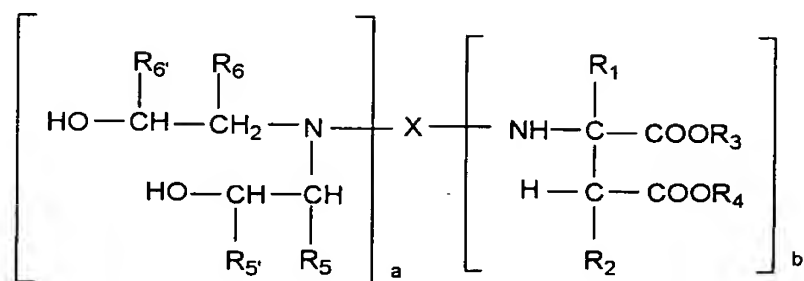
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R₅ represents hydrogen or together with R_{5'} and the carbon atoms to which they are connected forms a six-membered cycloalkyl group, with said cycloalkyl group being substituted with from 0 to 3 alkyl groups having from 1 to 3 carbon atoms,

25

- 5 R_5 represents a moiety selected from the group consisting of
 i) C_1 to C_8 alkyl groups which may be interrupted with an
 oxygen atom, ii) C_6 to C_{10} aryl groups, which may be
 substituted with up to three alkyl groups having from 1 to 3
 carbon atoms and iii) C_6 to C_{12} cycloalkyl groups, which may
 be substituted with up to three alkyl groups having from 1 to
 3 carbon atoms,
- 10 R_6 represents hydrogen or together with R_6 and the carbon
 atoms to which they are connected forms a six-membered
 cycloalkyl group, with said cycloalkyl group being substituted
 with from 0 to 3 alkyl groups having from 1 to 3 carbon
 atoms,
- 15 R_6 represents a moiety selected from the group consisting of
 i) C_1 to C_8 alkyl groups which may be interrupted with an
 oxygen atom, ii) C_6 to C_{10} aryl groups, which may be
 substituted with up to three alkyl groups having from 1 to 3
20 carbon atoms and iii) C_6 to C_{12} cycloalkyl groups, which may
 be substituted with up to three alkyl groups having from 1 to
 3 carbon atoms,
- with the proviso that R_5 and R_6 are the same and R_5 and R_6 are the
 same, and
- 25 a and b represent integers of from 1 to 5, provided that the sum of a
 and b is from 2 to 6.

2. A process for preparing an asparatate of the formula:



where

5 X represents an m-valent organic residue obtained by removing the primary amino group or groups from a mono or polyamine which has (cyclo)aliphatically bound amino groups and a number average molecular weight of 60 to 6000, and which may contain further functional groups that either are reactive with isocyanate groups or are inert to isocyanate groups at temperatures of up to 100°C,

15 R₁ and R₂ may be identical or different and represent hydrogen or organic groups which are inert towards isocyanate groups at a temperature of 100°C or less,

R₃ and R₄ may be identical or different and represent organic groups which are inert towards isocyanate groups at a temperature of 100°C or less,

20 R₅ represents hydrogen or together with R₅ and the carbon atoms to which they are connected forms a six-membered cycloalkyl group, with said cycloalkyl group being substituted with from 0 to 3 alkyl groups having from 1 to 3 carbon atoms,

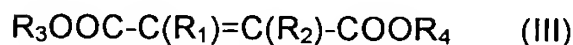
25

- 5 R_5 represents a moiety selected from the group consisting of
 i) C_1 to C_8 alkyl groups which may be interrupted with an
 oxygen atom, ii) C_6 to C_{10} aryl groups, which may be
 substituted with up to three alkyl groups having from 1 to 3
 carbon atoms and iii) C_6 to C_{12} cycloalkyl groups, which may
 be substituted with up to three alkyl groups having from 1 to
 3 carbon atoms,
- 10 R_6 represents hydrogen or together with R_6 and the carbon
 atoms to which they are connected forms a six-membered
 cycloalkyl group, with said cycloalkyl group being substituted
 with from 0 to 3 alkyl groups having from 1 to 3 carbon
 atoms,
- 15 R_6 represents a moiety selected from the group consisting of
 i) C_1 to C_8 alkyl groups which may be interrupted with an
 oxygen atom, ii) C_6 to C_{10} aryl groups, which may be
 substituted with up to three alkyl groups having from 1 to 3
 carbon atoms and iii) C_6 to C_{12} cycloalkyl groups, which may
 be substituted with up to three alkyl groups having from 1 to
 3 carbon atoms,
- 20 with the proviso that R_5 and R_6 are the same and R_5 and R_6 are the
 same, and
- 25 a and b represent integers of from 1 to 5, provided that the sum of a and b
 is from 2 to 6, comprising
- A) reacting at a temperature of 0 to 100°C, in solution or in the
 absence of a solvent and at an equivalent ratio of primary amino
 groups in component a) to C=C double bonds in component b) of
 from about 1.1:1 to about 3.0:1
- 30 a) mono or polyamines corresponding to formula (II)



with

- b) compounds corresponding to formula (III)



5

wherein

X, R₁, R₂, R₃ and R₄ are as defined above and

m represents an integer of from 2 to 6, and

10

- B) reacting the resultant product with an oxirane compound selected from the group consisting of alkylene oxides, cycloalkylene oxides, and phenylglycidyl ether.

- 15 3. A two-component coating composition which comprises, as binder,
a) a polyisocyanate component and

- b) an isocyanate-reactive component containing
b1) the aspartate of Claim 1.

- 20 b2) optionally other isocyanate-reactive compounds,

wherein the equivalent ratio of isocyanate groups to isocyanate-reactive groups is from about 0.8:1 to about 2.0:1.

- 25 4. A prepolymer containing urea, urethane, allophanate and/or biuret structures comprising the reaction product of a polyisocyanate with the aspartate of Claim 1.